

SPU-311

Two Components Polyurethane Waterproof Coating

Description

SPU-311 is a synthetic polymer waterproof coating by two components reaction. Component A is a polyurethane prepolymer through the reaction between polyether polyol and isocyanate. Component B is a colorful liquid consisting of plasticizers, curing agents, thickeners, coagulants and fillers.

Where to use

- Undergrounds, cold stores and grade;
- Bathroom, kitchen and pools;
- Hard to dry substrate of underground construction;
- Subways, channels, bridges, tunnels and unexposed roofs;

Advantages

- Can be applied on the wet underground substrate with strong bonding power;
- Multipurpose to apply on horizontal planes, vertical planes and top planes;
- Seamless, no pinholes and bubbles;
- Liquid with cold applied;
- Fast solidify and convenient to apply.

Standards : ASTM C 836

Typical properties

Item	Requirement	Test Method
Hardness	≥50	ASTM D 2240
Weight Loss	≤20%	ASTM C 1250
Low temperature crack bridging	No cracking	ASTM C 1305
Film thickness(vertical surface)	1.5mm±0.1mm	ASTM C 836
Adhesion-in-peel after water immersion	175N/m	ASTM C 794
Optional test after adhesion in peel	No separation at surface	ASTM C 836
Extensibility after hear aging	6.4mm(note 1) no cracking	ASTM C 1522
Stability	≥6 months	ASTM C 836

Packaging

Component A and B of SPU-311 are sealed in 8kg and 20kg pails, respectively, transported in wooden cases. Each wooden case can be contained 48 pails of component A or 36 pails of component B.

Storage

SPU-311 materials should be stored by sealed pails at dry and well-ventilated places and protected from sun or rain. The temperature in stored places can not be higher than 40° C. It can not be closed to fire sources. The normal shelf life is 12 months.

Transportation

SPU-311 is needed to be avoided sunshine and rain. Fire sources are forbidden during transportation.

Application System

Constructive System

The system is basically consisted of substrate, additional layer, waterproof coated membrane and protection layer.

Coverage

1.7kg per m² gives dft 1mm minimum. Coverage may vary with the substrate condition during